



# FEMA

**Disclaimer:** The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

## FEMA Region 6 Weather Threat Briefing

Sunday, July 19, 2015

Issued: 0800 CT

**Day 1 Hazards: Heat index values of 102F+ degrees over much of the eastern half of FEMA Region 6.**

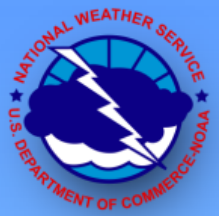
National Weather Service

Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX



Prepared by: Kurt M. Van Speybroeck  
817-978-1100 x 147

# Key Points



## Today - Tuesday

- **Seasonal afternoon showers/thunderstorms across NM each day**
  - Isolated heavy rain/flooding possible
- **Heat continues through early next week with afternoon heat index values over 102F+ degrees for TX/OK/AR/LA**
  - Heat advisories possible through the weekend and into early next week
- **Marginal Risk of severe weather over northern OK today and Monday**
- **Marginal Risk area expands to most of OK - Tuesday**
  - Isolated strong to severe thunderstorms with damaging winds possible in the afternoon/evening

## Wednesday – Thursday

- **No Significant Weather Impacts**






## Tropical Outlook

- **Tropical formation is not expected in the next 5 days.**

# \*FEMA Region 6 Threat Matrix

Jul 19, 2015 - Jul 23, 2015

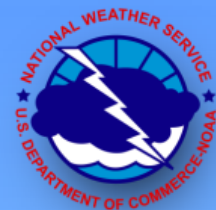
DAY/ THREAT	SUN	MON	TUE	WED	THU
Severe Weather	NW OK	N OK	OK		
Heavy Rain /Flash Flooding					
Heat	Eastern 1/2 of the Region				
Tropical					

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*We are experimenting with a new color scale to the left as of April 13<sup>th</sup>. Please provide feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov). See next slide for more details.*



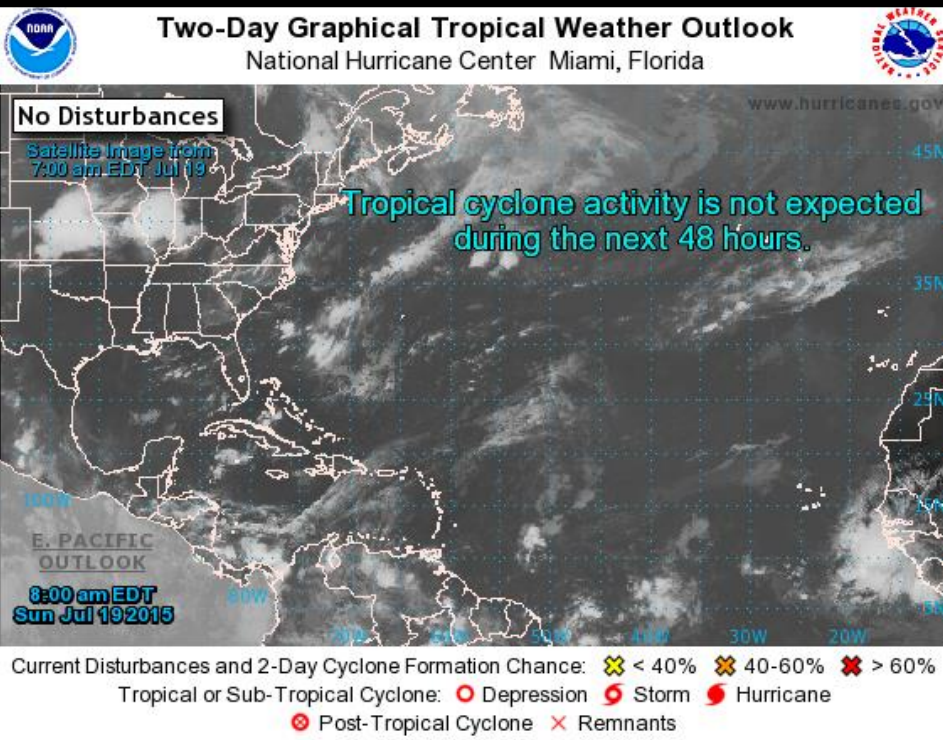
**We are experimenting with a new color scale in these briefings, starting on April 13<sup>th</sup>. The criteria is below, please provide your feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov) and we plan to re-evaluate in the coming months.**



**Weather "Threat" Matrix**

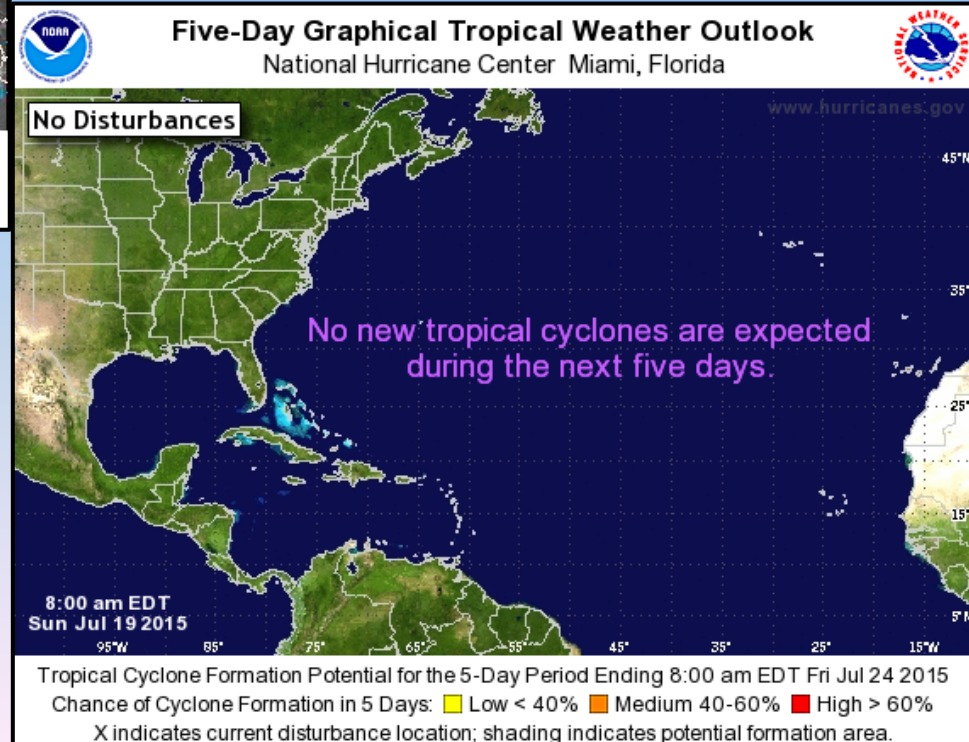
Color	Definition	Criteria	Example(s)
<b>Green</b>	<b>Very Common – Happens Often</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
<b>Yellow</b>	<b>Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Minor Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail</li> </ul>
<b>Orange</b>	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Large Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> </ul>
<b>Red</b>	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Major Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> </ul>
<b>Purple</b>	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically results in Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

# Atlantic/Gulf Tropical Weather Outlook

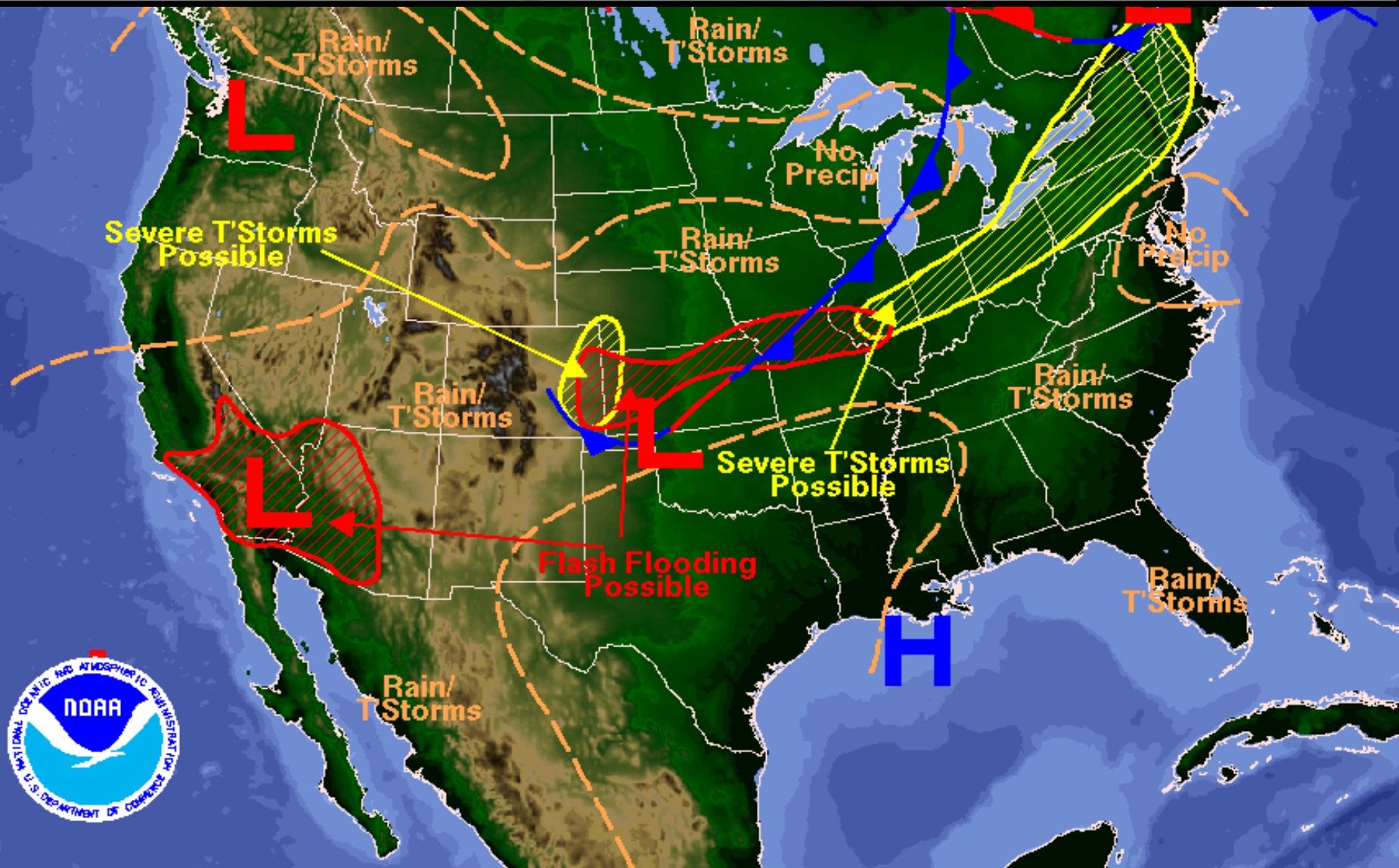


A westward-moving tropical wave located more than 1000 miles west-southwest of the Cape Verde Islands is producing disorganized cloudiness and showers. Environmental conditions could be marginally conducive for some slow development of this disturbance through the weekend before becoming much less conducive early next week.

- Formation chance through 48 hours...low...10 percent
- Formation chance through 5 days...low...10 percent



# Today's Weather



Weather Forecast for Sun, Jul 19, 2015, issued 4:52 AM EDT  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Fanning based on WPC, SPC and NHC forecasts






# Day 1 Weather Hazards

**Valid: 0800 Sun - 0800 Mon**



**Isolated severe storms**

**Heat Index values of  
102F+ degrees across  
much of the  
eastern half of the  
Region.**

	Very Common – Happens Often
	Common – Happens Frequently
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**\*Threat levels are based on FEMA  
Region 6 criteria. State or local  
threat level criteria may differ.**

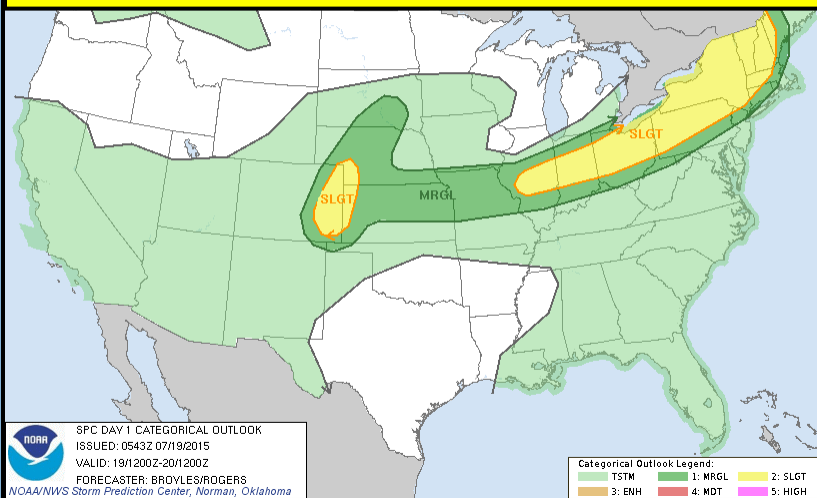


# Sunday, July 19, 2015

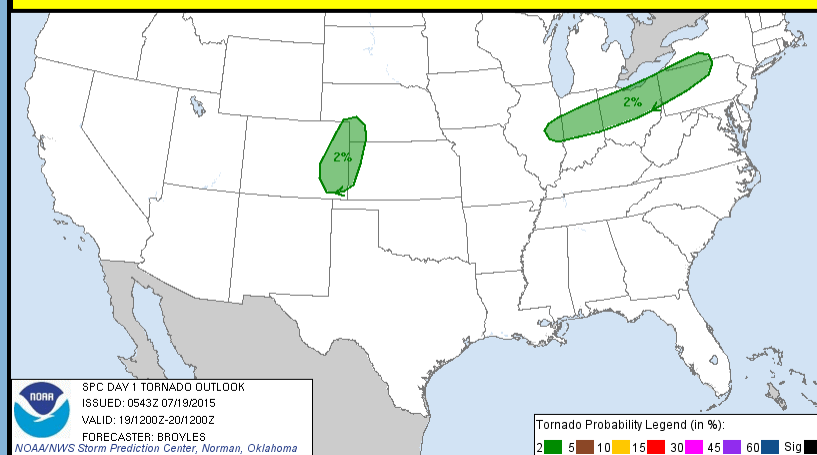
## Severe Thunderstorm Potential



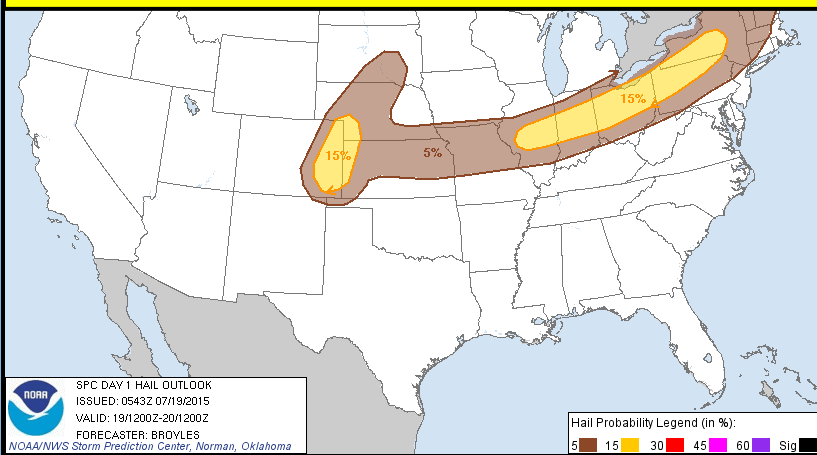
### Overall Threat Potential



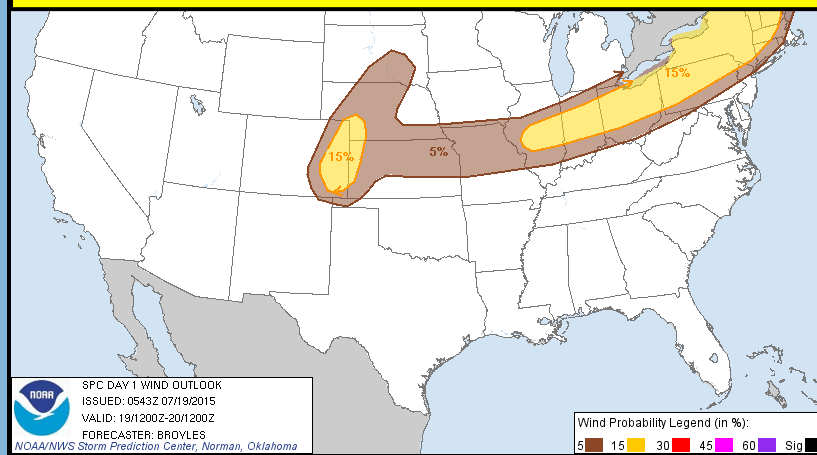
### Probability of Tornado within 25 miles of a point



### Probability of Damaging Hail within 25 miles of a point



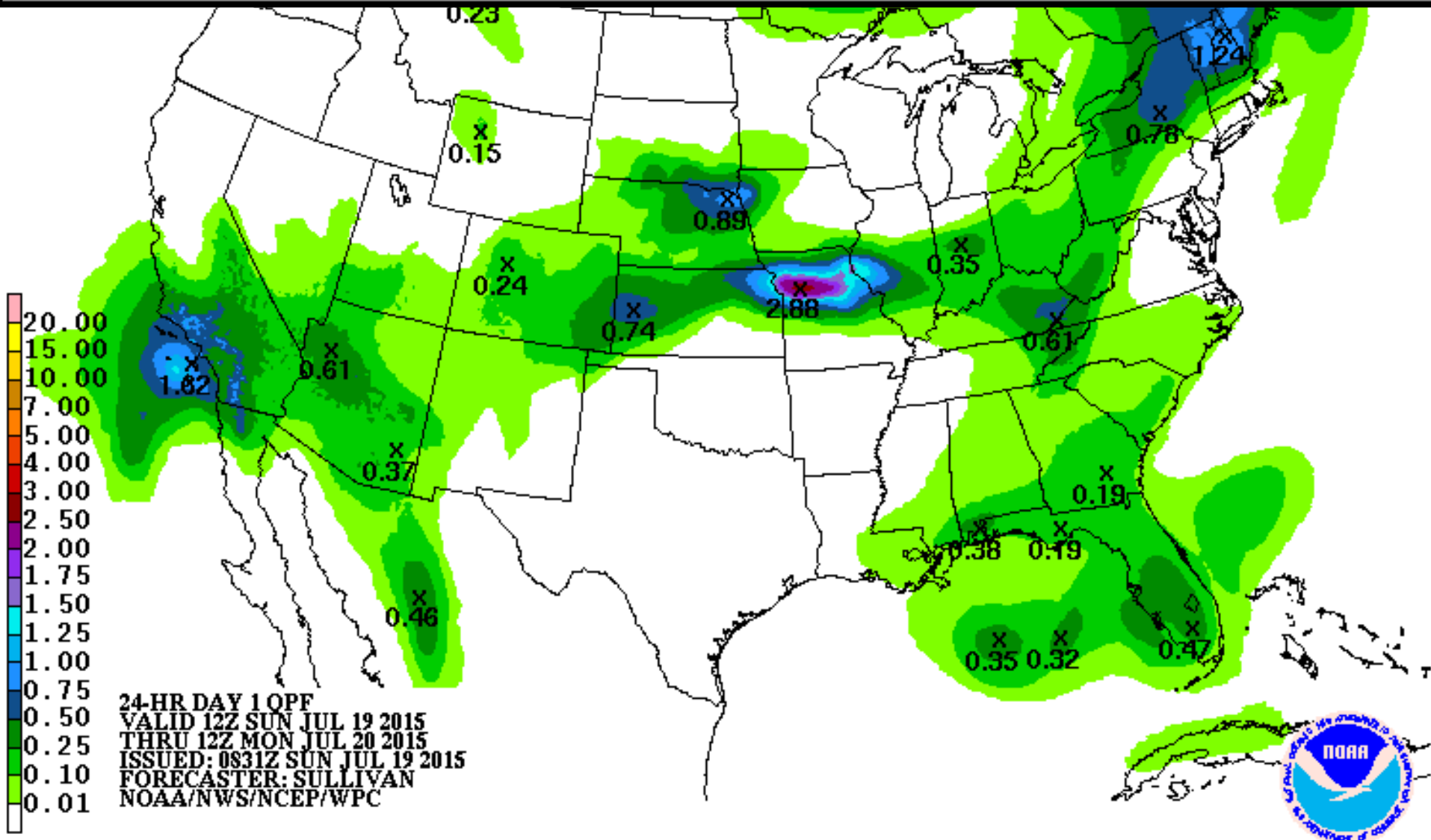
### Probability of Damaging Winds within 25 miles of a point



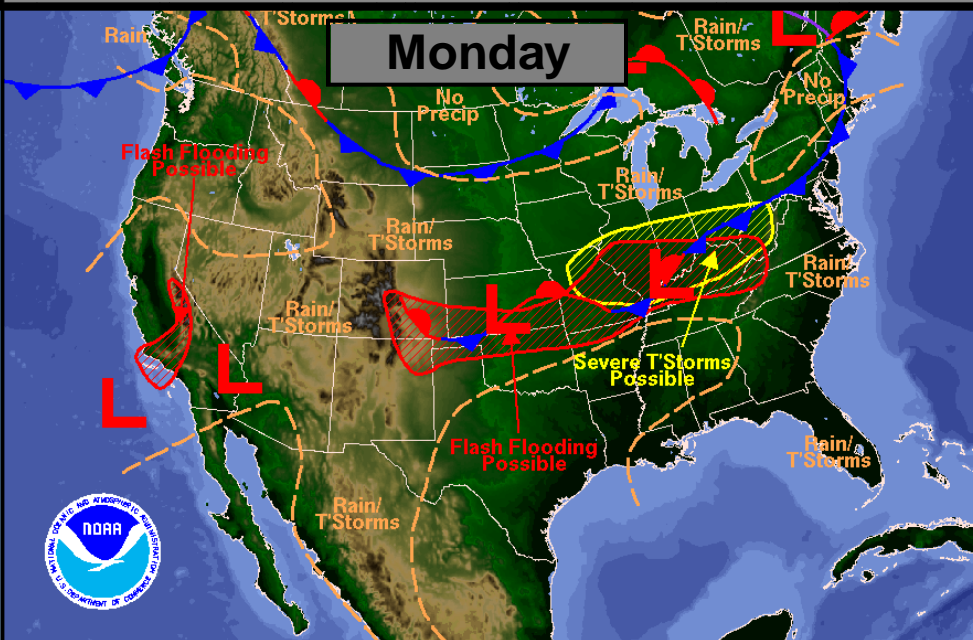
Building a Weather-Ready Nation

# Today's Precipitation

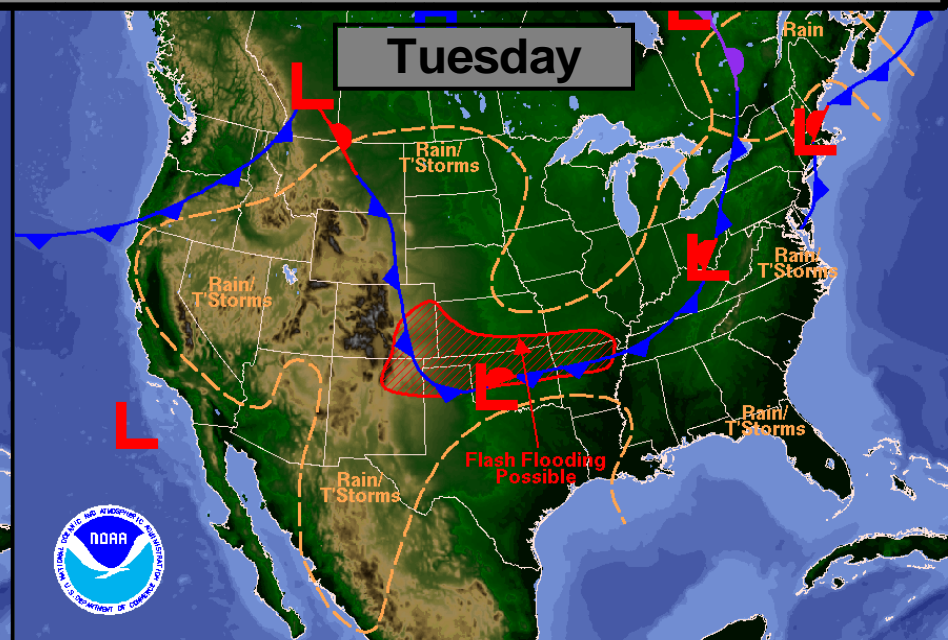
## Sun AM - Mon AM



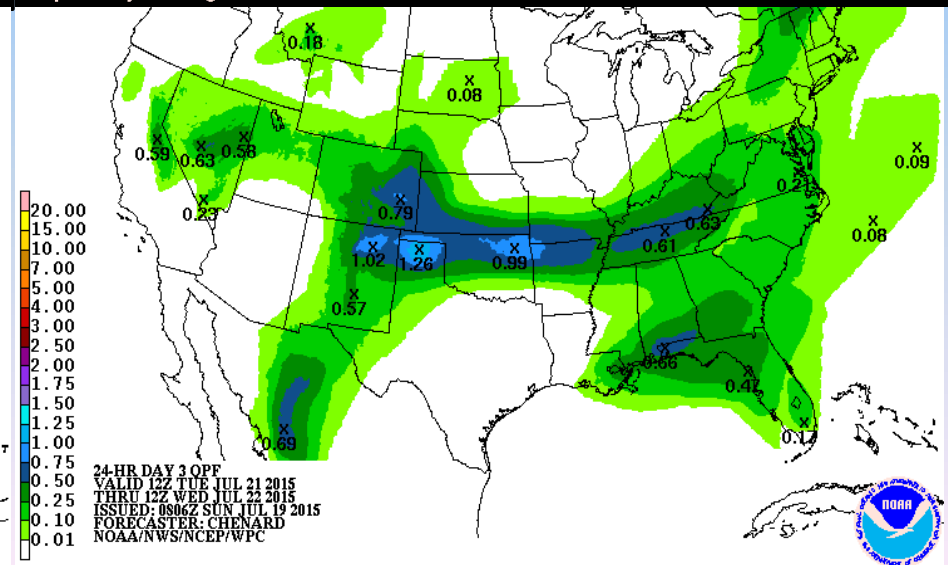
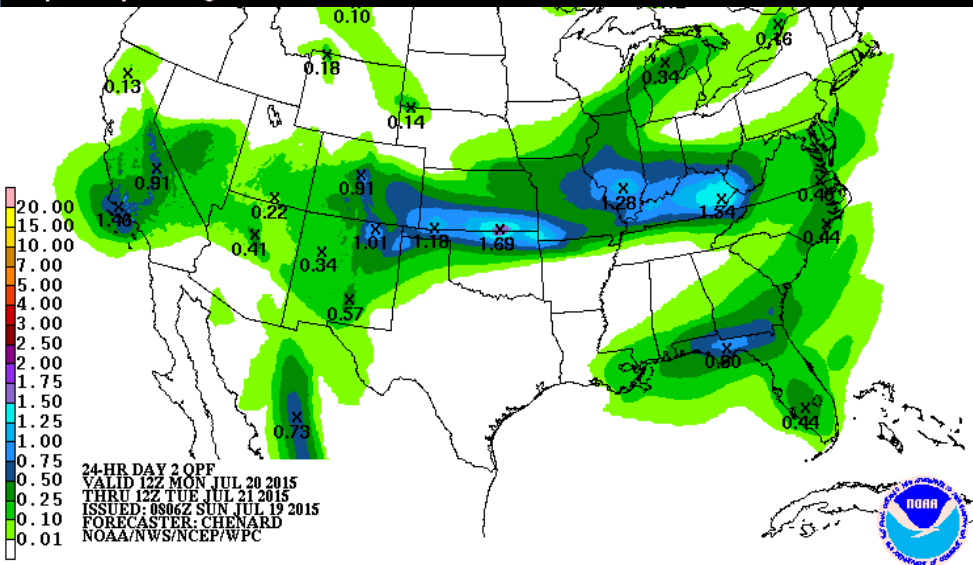
# Day 2-3 Weather Maps/Precipitation



Weather Forecast for Mon, Jul 20, 2015, issued 4:55 AM EDT Sun, Jul 19, 2015  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by Fanning based on WPC, SPC and NHC forecasts



Weather Forecast for Tue, Jul 21, 2015, issued 4:57 AM EDT Sun, Jul 19, 2015  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by Fanning based on WPC, SPC and NHC forecasts



# Day 2-3 Weather Hazards

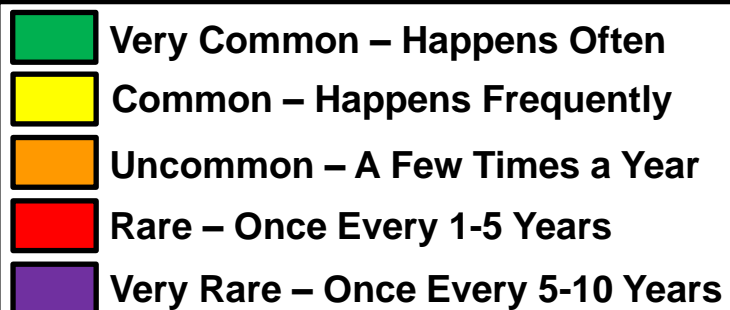
*Valid: 0800 Mon - 0800 Wed*



**Isolated severe storms**

**Isolated severe storms  
Tuesday**

**Maximum Afternoon  
Heat Index values of  
102F+ degrees across  
much of the  
eastern half of the  
Region.**








*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.*

# Day 4-5 Weather Hazards

Valid: 0800 Wed - 0800 Fri



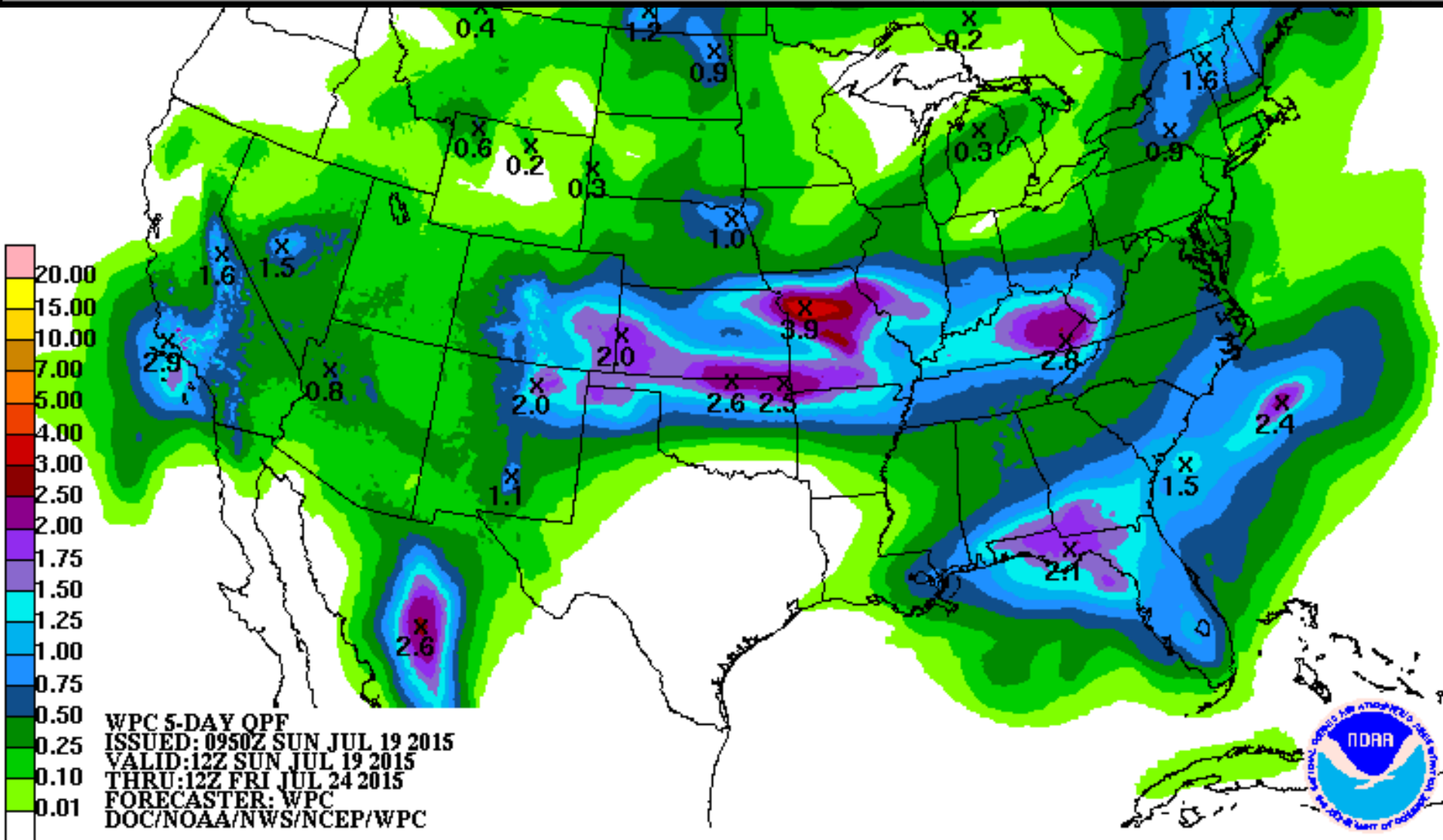
**Maximum Afternoon  
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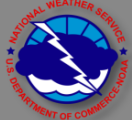
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# 5-Day Precipitation

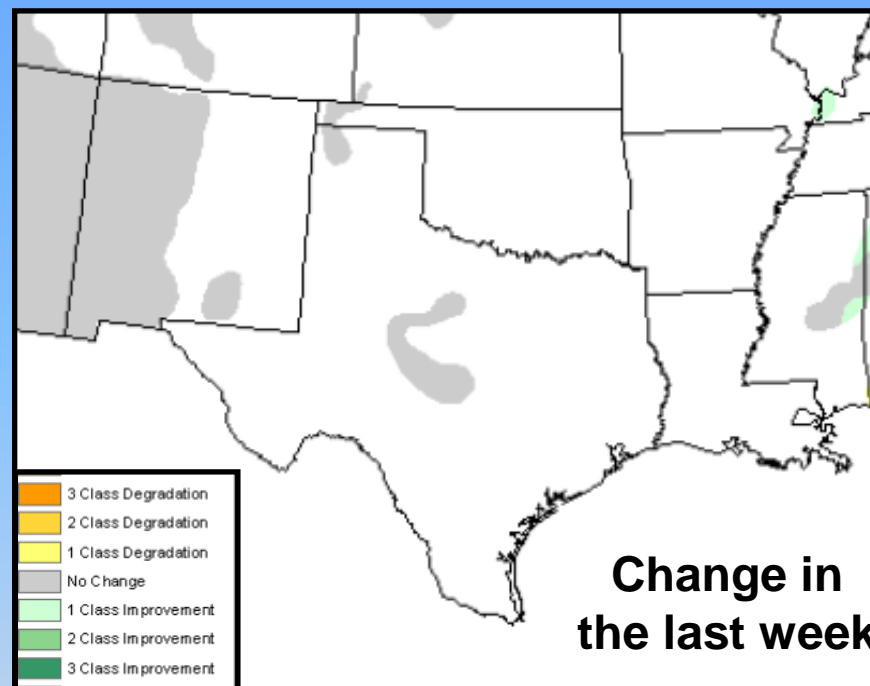
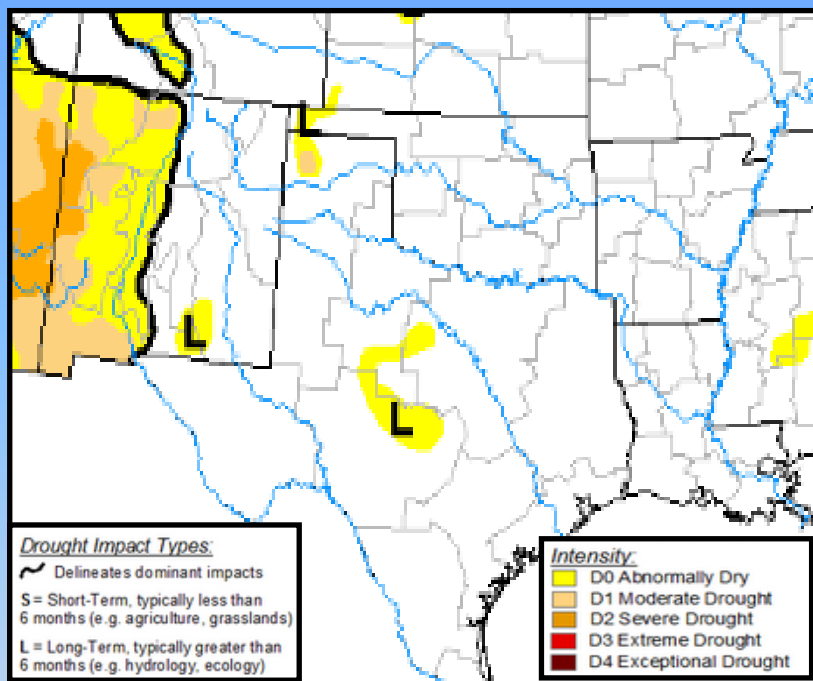
## Sun AM - Fri AM





# Drought Monitor Released July 16th, 2015

Data valid as of Tuesday July 14th, 2015



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	39.72%	29.37%
Texas	0.00%	0.00%	14.91%	18.36%
New Mexico	0.00%	0.00%	0.00%	40.46%
Arkansas	0.00%	0.00%	12.82%	13.18%
Louisiana	0.00%	0.00%	0.00%	0.00%

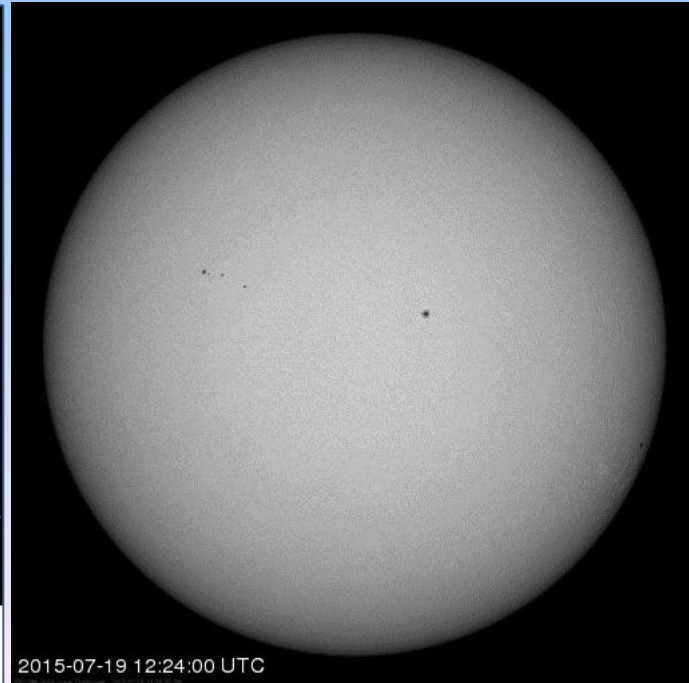
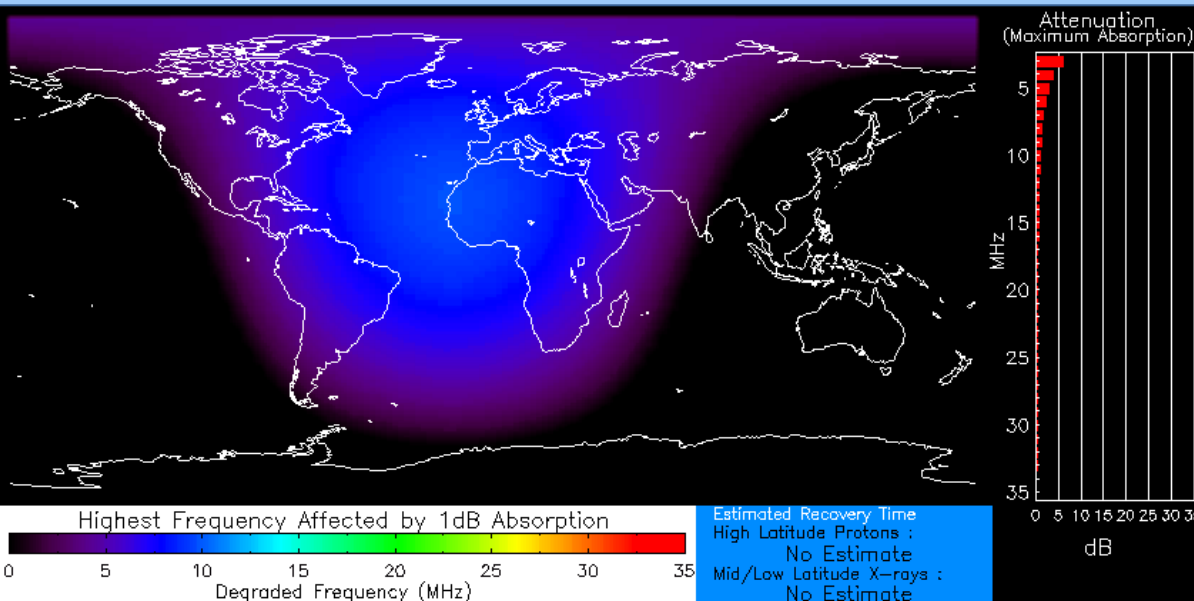
# Space Weather 3-Day Forecast



	Sunday	Monday	Tuesday
Geomagnetic Storms	Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	10%	10%	10%
Radio Blackout (R3-R5)	1%	1%	1%

[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



Normal X-ray Background  
Product Valid At : 2015-07-19 13:01 UTC

Normal Proton Background  
NOAA/SWPC Boulder, CO USA

2015-07-19 12:24:00 UTC

Information provided by:



**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

Phone: (817) 978-1100 x147

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